

1960

2512

Transistorized Converter, CV-5

This document is part of an integrated file. If separated from the file it must be subjected to individual systematic review.

The CV-5 is a small, transistorized, two-band converter which permits a broadcast receiver to be used for reception in the 3 - 30MC Band. The converter output frequency is determined by a crystal at 1500 KC above or below the desired signal frequency.

NA

NA

3 - 30 MC in 2 bands

NA

300 Ohms

300 Ohms

1.5 volt at 500 microamps

Transistorized

Typical 10 db s/n sensitivity: 3 to 7 microvolts over freq. range

200KC at 6 db points.

output

VVVVVVVV 1500KC $\pm$ 100KC

3 $\frac{1}{4}$ " X 2 $\frac{1}{2}$ " X 1"

5 ozs.

To permit a broadcast receiver to be used for reception in the 3 - 30MC band.

Pocket carried.

Connection of antenna and associated receiver.

No specialized operational training required.

Straight forward transistor circuitry.

Because of low stage-to-stage isolation signal planning should avoid areas of high response to undesired signals.

Requires clean channel in 1400KC to 1600KC region for same reason.

The series of converters for this application now includes four models which differ significantly only in the frequency range covered. The models and frequency ranges are: CV-1 (3-6MC), CV-2 (6-12MC), CV-2A (3-12MC) and CV-5 (3-30MC). An engineering prototype of the CV-5 had been constructed and tested.

Construction of five additional units contingent upon operational acceptance of the present engineering prototype.

Photograph of prototype will be provided.

None

Unclassified